



EXHIBIT A

Paper #18 H/K

**Technical Data Sheet  
5702**

TYPE : Estane® 5702 is an aromatic polyester-based polyurethane polymer.

MELTTEMPERATURE (DSC) : 79°C

MECHANICAL PROPERTIES	TEST SPECIMEN	TEST METHOD	UNIT	VALUE
Hardness	A	DIN 53505	shore A	65
Density	A	DIN 53479	g/cm <sup>3</sup>	1.18
Tensile strength	B	DIN 53504	MPa	37
Elongation			%	590
Tensile Stress at 50 % Elongation			MPa	2
100 % Elongation			MPa	2.4
300 % Elongation			MPa	4.8
Tear Resistance	B	DIN 53515	kN/m	47

(A) moulded plaques; 15 x 10 x 0,2 cm

(B) solution cast films; thickness 30-40 µ m

Solubility		
Methylethylketone	(MEK)	Soluble
Dimethylformamide	(DMF)	Soluble
Tetrahydrofuran	(THF)	Soluble
Ethylacetate		Swelling
Cyclohexanone		Soluble

**SUPPLY FORM AND STANDARD PACKAGING**

Estane® 5702 is supplied in granule form and is packaged in polyethylene bags.  
Net weight 25 kg.

**Solution viscosity specification values**

15 % total solids in methyl ethyl ketone (MEK)		
- Brookfield RVTD viscometer		
- spindle n° 2		
- 20 rpm		
- 23°C ± 1°C		
5702 F2	460 - 680	mPa.s
5702 F3	180 - 460	mPa.s

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